

ABSTRACT

There is provided a treating agent for a sheet surface comprising a graft copolymer composed of a back bone polymer and branch polymer, either of which is a polymer having vinyl alcohol units, and the other of which is a polymer having cationic groups, the treating agent is applied onto a pulp sheet or plastic sheet, and the coated sheet is used in ink jet printing. Cationic groups are introduced by graft copolymerization using di(meth)allylamine-based and/or (meth)acryl-based monomer. Alternatively, the graft copolymer of the present invention is obtained by grafting N-vinylcarboxylic acid amide monomer followed by hydrolysis thereof. A formula weight ratio of vinylalcohol units and the introduced cationic groups of 1:20 to 2:1 is preferable in terms of balanced performance.